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1. A method of improving the performance of a relational database data reduction from a source database to target database, comprising of:
  - a. eliminating the need for said target database to be involved in calculating new target data;
  - b. analyzing time and date stamp to determine if record in said source database has been changed;
  - c. deleting changed records from the target data to perform said data reduction, and
  - d. inserting updates of said changed records into said target data.
2. The method of improving the performance of a relational database data reduction of claim 1, wherein an equipment work in process list where many lots can be associated with one piece of equipment is replicated between said source database and target database.
3. The method of improving the performance of a relational database data reduction of claim 2, wherein said changed records result from a changing of a lot position from one piece of said equipment to another.
4. The method of improving the performance of a relational database data reduction of claim 3, wherein only said changed records are looked at in said source database.
5. The method of improving the performance of a relational database data reduction of claim

- 4, wherein said changed records are records that are no longer valid and their updates.
6. The method of improving the performance of a relational database data reduction of claim 4, wherein only looking at said changed records conserves computer resources by being source data volume independent and eliminating need to compare tables.
7. The method of improving the performance of a relational database data reduction of claim 6, wherein the conservation of computer resources allows for real-time synchronization between source said equipment work in process list and target said equipment work in process list.
8. The method of improving the performance of a relational database data reduction of claim 1, wherein replicated data can be exported to another database or software system.
9. A method for refining data replication between a source database and a target database, comprising of:
- a. locating changed records in said source database;
  - b. deleting the outdated said changed records from target data, and
  - c. inserting updated said changed records into target data.
10. The method for refining data replication between a source database and a target database

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of claim 9, wherein execution performance is independent of the volume of source data.

11. The method for refining data replication between a source database and a target database of claim 9, wherein said changed records are determined from analysis of time and date stamps in said source database.
12. The method for refining data replication between a source database and a target database of claim 9, wherein a loader program provides the computing power for the replication.
13. The method for refining data replication between a source database and a target database of claim 12, wherein said loader program is capable of displaying on a central monitor the manufacturing equipment environment and lot status.
14. A system for improving the performance of a relational database data reduction from a source database to target database, comprising of:
  - a. a means to eliminate the need for said target database to be involved in calculating new target data;
  - b. a means to analyze time and date stamp to determine if record in said source database has been changed;
  - c. a means to delete changed records from the target data to perform said data reduction, and

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d. a means to insert updates of said changed records into said target data.

15. The system for improving the performance of a relational database data reduction of claim 14, wherein an equipment work in process list where many lots can be associated with one piece of equipment is replicated between said source database and said target database.
16. The system for improving the performance of a relational database data reduction of claim 15, wherein said changed records result from a changing of lot position from one piece of said equipment to another.
17. The system for improving the performance of a relational database data reduction of claim 16, wherein only said changed records are looked at in said source database.
18. The system for improving the performance of a relational database data reduction of claim 17, wherein said changed records are records that are no longer valid and their updates.
19. The system for improving the performance of a relational database data reduction of claim 17, wherein only looking at said changed records conserves computer resources by being source data volume independent and eliminating need to compare tables.
20. The system for improving the performance of a relational database data reduction of claim

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19, wherein the conservation of computer resources allows for real-time synchronization between source said equipment work in process list and target said equipment work in process list.

21. The system for improving the performance of a relational database data reduction of claim 20, wherein replicated data can be exported to another database or software system.
22. A system for refining data replication between a source database and a target database, comprising of:
  - a. a means to locate changed records in said source database;
  - b. a means to delete the outdated said changed records from target data, and
  - c. a means to insert updated changed said records into said target data.
23. The system for refining data replication between a source database and a target database of claim 22, wherein execution performance is independent of the volume of source data.
24. The system for refining data replication between a source database and a target database of claim 22, wherein said changed records are determined from analysis of time and date stamps in said source database.

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25. The system for refining data replication between a source database and a target database of claim 22, wherein a loader program provides the computing power for the replication.
26. The system for refining data replication between a source database and a target database of claim 25, wherein said loader program is capable of displaying on a central monitor the manufacturing equipment environment and lot status.